Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

1-93. (Canceled)

94. (New) A gas burner including:

a distributor means having at least three distribution chambers to distribute an air gas mixture around said distributor,

each distribution chamber having at least three distribution channels having a substantially "T" configuration;

each distribution channel including a plurality of flame ports through which said gas mixture can pass and be ignited;

at least one injector associated with each of said distribution chambers to deliver gas to the distribution channels;

each of the injectors being positioned to inject gas into its associated distribution chamber via a an associated venturi system including an upwardly directed passage and a transition port and wherein the distribution channels enable gas flow in at least three directions away from said transition port and towards associated flame ports,

wherein the burner has an internal aperture,

at least some of the flame ports being oriented towards the internal aperture,

each distribution chamber including at least one transversely projecting distribution channel which projects into the aperture,

the transversely projecting channel including flame ports adapted to direct combustion gasses into the aperture.

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95. (New) A burner as claimed in claim 94, wherein two of the distribution channels

of each distribution chamber extend circumferentially.

96. (New) A burner as claimed in claim 94, wherein each venturi system includes an

upright inward tapering section in fluid communication with a transverse expanding section via

the transition port, the transverse expanding section being within the corresponding distribution

chamber.

97. (New) A gas burner as claimed in claim 94, wherein each distribution chamber

includes a transversely extending distribution channel.

98. (New) A burner as claimed in claim 94, wherein said distributor means has a

generally cylindrical outer surface.

99. (New) A burner as claimed in claim 94, wherein each distribution chamber has an

inwardly extending distribution channel, the inwardly extending distribution channels including

associated flame ports and being circumferentially equi-spaced.

100. (New) A burner as claimed in claim 94 wherein each distribution chamber

includes at least one outwardly extending arm.

101. (New) A burner as claimed in claim 94, wherein the aperture has a clover leaf

configuration.

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102. (New) A burner as claimed in claim 94 wherein said distributor means is

segmented, whereby each segment has its own distribution chamber and injector.

103. (New) A burner as claimed in claim 102 wherein said distributor means is

segmented by means of segment walls between respective segments.

104. (New) A burner as claimed in claim 102 wherein said distributor means is

segmented by means of gas flow from said injectors.

105. (New) A burner as claimed in claim 102 wherein said segments form one of the

following: a cross shape with an arcuate or circumferential cross bar; a T shape with a convex

arcuate or circumferential cross bar; a T shape with a concave arcuate or circumferential cross

bar.

106. (New) A burner as claimed in claim 94 wherein the air gas distribution channels

of each distribution chamber form a T shape with an arcuate or circumferential cross bar.

107. (New) A burner as claimed in claim 102, wherein each segment includes four air

gas distribution channels which form a cross shape with an arcuate or circumferential cross bar.

108. (New) A burner as claimed in claim 94, wherein said burner includes a cap which

is positioned on top of said distributor means.

109. (New) A burner as claimed in claim 108, wherein each distribution chamber

includes a venturi extension formed at least partially in the cap.

110. (New) A burner as claimed in claim 94, wherein said flame ports are formed in

one or more walls of said distributor means.

111. (New) A burner as claimed in claim 108, wherein said flame ports are formed in

the cap.

112. (New) A burner as claimed in claim 111, wherein each distribution channel has

one or more occluding structures associated therewith for directing and or baffling said air gas

mixture in its flow from said transition port to said flame ports.

113. (New) A burner as claimed in claim 112, wherein said occluding structures

comprise a wall or ridge like formation extending away from the transition port.

114. (New) A burner as claimed in claim 94, wherein said distributor means has at

least one air entry port per injector.

115. (New) A burner as claimed in claim 114, wherein each air entry port is formed in

a side wall of said distributor means.

116. (New) A burner as claimed in claim 115, wherein said air entry ports have a larger

cross sectional area at intermediate regions by comparison to side regions of said air entry ports.

117. (New) A burner as claimed in claim 115, wherein each air entry port is positioned

in the wall of said distributor means so as to be located proximate said injector.

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118. (New) A burner as claimed in claim 117, wherein each said injector is shielded by

a portion of a wall of said distributor means to prevent air passing in through said air entry port

from disturbing the operation of said injector.

119. (New) A burner as claimed in claim 115, wherein the distributor includes at least

three inwardly extending arms, and wherein said air entry ports are located between respective

arms of said distributor means, and wherein respective injectors are located so that they are

aligned with the direction of said arm.

120. (New) A burner as claimed in claim 94, wherein the distributor includes at least

three inwardly extending arms, and wherein said burner includes a trivet which is aligned with

said arms, so as to overlie said arms.

121. (New) A burner as claimed in claim 94, wherein the distributor includes at least

three inwardly extending arms, and wherein said arms have a flame port arrangement whereby

the axis of said flame ports on a respective arm is generally at an acute angle to the direction of

a respective arm.

122. (New) A burner as claimed in claim 94, wherein the distributor includes at least

three inwardly extending arms, and wherein said arms extend away from said distributor means

for at least a part of the length of the arm at an angle of inclination or declination away from an

imaginary horizontal plane.

123. (New) A burner as claimed in claim 94, wherein said distributor means is

mounted on a manifold including a gas inlet which communicates with a cavity in said manifold,

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each of said injectors being in fluid communication with the cavity to receive gas supply from

the cavity.

124. (New) A burner as claimed in claim 123 wherein a wall of said cavity is shaped

such that the height of said cavity at the outer periphery is of a height greater than at the centre of

said cavity.

125. (New) A burner as claimed in claim 123, wherein said manifold cavity has its top

surface concave in shape.

126. (New) A burner as claimed claim 94, wherein said distributor means has an

internal aperture such that the distributor means has an internal and an external perimeter, with

inwardly directed ports in said internal perimeter and outwardly directed ports in its external

perimeter.

127. (New) A burner as claimed in claim 109, wherein each venturi extension is

oriented so as to be generally horizontal.

128. (New) A gas burner as claimed in claim 94, comprising one distributor means

having at least three discrete distribution chambers therein, each chamber having communication

with flame ports and including a venturi system to supply an air gas mixture thereto; said burner

having a single manifold to conduct gas to respective injectors for each venturi system from a

single gas supply connection to said manifold, each of said chambers having a transversely

extending channel, which projects into an inner aperture of said burner, whereby between the

ends of respective inwardly extending channels there is provided an unobstructed space.

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129. (New) A gas burner as claimed in claim 128, wherein each transversely extending

channel includes at least two sides which are generally parallel.

130. (New) A gas burner as claimed in claim 128, wherein each chamber also includes

two oppositely extending circumferential or arcuate channels.

131. (New) A gas burner as claimed in claim 128, wherein said chamber also includes

an outwardly projecting channel.

132. (New) A gas burner as claimed in claim 131, wherein said burner includes a cap.

133. (New) A gas burner as claimed in claim 132, wherein the distributor means or

said cap includes a multiplicity of said flame ports.

134. (New) A gas burner as claimed in claim 133, wherein said flame ports are formed

by a combination of formations located on said distributor means and said cap.

135. (New) A gas burner as claimed in claim 128, wherein each distribution chamber

includes at least three venturi extensions which each define two peripheral channels and a

transverse channel to deliver air gas mixture to flame ports.

136. (New) A gas burner as claimed in claim 132, wherein said cap includes at least

three venturi extensions which extends into said chamber to define a radial channel and two

peripheral channels to deliver air gas mixture to flame ports.

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137. (New) A gas burner as claimed in claim 128, wherein each said venturi system includes a vertical passage which opens into at least one generally horizontal venturi extension which extends away from said vertical passage in the direction of each distribution channel of

said chamber.

138. (New) A gas burner as claimed in claim 132, wherein each generally horizontal

venturi extension is formed in said distributor means and/or in an underside of the cap.

139. (New) A burner as claimed in claims 128, wherein said distributor means is an

assembly of separate or discrete segments which are assembled or otherwise joined together.

140. (New) A burner as claimed in claim 139, wherein said separate or discrete

segments include interlocking formations thereon so that adjacent burner segments can be

assembled together.

141. (New) A burner as claimed in claim 139, wherein said separate or discrete

segments are held together as an assembly by means of a interaction with a burner cap.

142. (New) A burner as claimed in claim 139, wherein a circumferential fixing means

assists in holding or holds said separate or discrete segments together as an assembly to form a

distributor.

143. (New) A gas burner comprising one distributor means having at least three

discrete distribution chambers therein, each chamber having communication with flame ports

and including a venturi to supply an air gas mixture thereto; said burner having only one

manifold to conduct gas to respective injectors for each venturi from a single gas supply

connection to said manifold, each of said chambers including at least three distribution channels in a substantially "T" shaped configuration and having a radially extending channel, which extends inwardly towards the centre of said burner, whereby between the ends of respective radially extending portions there is provided an unobstructed space.

- 144. (New) A gas burner as claimed in claim 143, wherein each transversely extending channels includes at least two sides which are generally parallel.
- 145. (New) A gas burner as claimed in claim 143, wherein each chamber includes two oppositely extending circumferential or arcuate channels.
- 146. (New) A gas burner as claimed in any one of claims 143, wherein said chamber includes a radially outwardly extending channel.
 - 147. (New) A gas burner as claimed in claim 143, wherein said burner includes a cap.
- 148. (New) A gas burner as claimed in claim 147, wherein distributor means or said cap includes a multiplicity of said flame ports.
- 149. (New) A gas burner as claimed in claim 148, wherein said flame ports are formed by a combination of formations located on said distributor means and said cap.
- 150. (New) A gas burner as claimed in claim 148, wherein said cap includes at least one venturi extension which extends into said chamber to define a peripheral channel to deliver air gas mixture to flame ports.
- 151. (New) A gas burner as claimed in claim 148, wherein each said venturi includes a vertical passage which opens into at least three generally horizontal venturi extension which extends away from said vertical passage in the direction of each respective extending channel.

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- 152. (New) A gas burner as claimed in claim 151, wherein said at least three generally horizontal venturi extensions are formed in said distributor means.
- 153. (New) A gas burner as claimed in claim 151, wherein said at least one generally horizontal venturi extension is formed in an underside of a cap.
- 154. (New) A gas burner including a distributor having flame ports in a wall portion of said distributor and or in a cap which will cooperate with said distributor, said distributor also including at least three venturis with each venturi having a respective injector associated therewith located internally of and near to a wall portion of said distributor, said distributor including at least three generally elongated air inlet ports which are located in said wall, said ports having a longitudinal axis which extends circumferentially around said distributor, said ports including at their extremities wall portions forming circumferentially extending wind shields for the manifold air intake.
- 155. (New) A gas burner as claimed in claim 154, wherein a respective injector is located between opposing ends of said air inlet ports near to a wind shield to prevent radially inwardly flowing air from interacting with said injector.
- 156. (New) A burner as claimed in claim 154, wherein said injectors and said air inlet ports are arranged with respect to said distributor so that a main stream of radially inwardly flowing air passes through said air inlet port as secondary air for said flame ports.
- 157. (New) A burner as claimed in claim 154, wherein said injectors and said air inlet ports are arranged with respect to said distributor so that air passing through said air inlet ports which will be used as primary air by said injectors approaches said injectors in a generally circumferential direction from said air inlet ports.

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- 158. (New) A gas burner including a distributor means having at least three chambers to distribute an air gas mixture around said distributor means, said burner including a plurality of flame ports through which said gas mixture can pass and be ignited; at least one injector associated with each chamber, each injector being positioned to inject gas into its associated chamber via a respective vertically directed converging passage terminating with an transition port which has communication with said chamber, a venturi being formed in part by said converging passage and said transition port with a final part of said venturi being formed by at least one venturi extension which acts upon a generally horizontal flow of said air gas mixture flowing from said transition port, said transition port having at or near its rim two or more occluding structures associated therewith for directing and or baffling said air gas mixture in its flow from said transition port to said flame ports.
- 159. (New) A burner as claimed in claim 158, wherein said occluding structures comprise a wall or ridge like formation extending away from said protrusion and or said protrusion extensions.
- 160. (New) A burner as claimed in claim 158, wherein said occluding structures have a castellated appearance.
- 161. (New) A burner as claimed in claim 158, wherein said occluding structures are formed on said distributor means or in a cap associated with said distributor means or by a combination of both.
- 162. (New) A burner as claimed in claim 158, wherein said flame ports are formed on said distributor means or in a cap associated with said distributor means or by a combination of both.
- 163. (New) A burner as claimed in claim 158, wherein extending away from said transition port there are at least two venturi extensions.

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164. (New) A burner as claimed in claim 158 wherein said occlusion structures are located near to the edges of said venturi extensions.